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A.C.S.I.L. Tr 1525

Sci - Phys
Jun 63

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Anionic Polymerization of Lactams, Contribution
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Polymerization, by Siegfried Schaaf, 20 p.

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SLA 59-20892

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Vol 3, No 1

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SLA 57-1799

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The Constructional and Technical Properties of
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K. H. Hermann.

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WEur - Germany
Sci - Electronics

Radiographic Investigation of the Sound Waves
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pp 656-668.

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T 4348

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Sci - Physics
CTS 75/Dec 55

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5 p.

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SLA 59-20471

Sci
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No 4, 1981 pp 147-151.

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EEur - Germany

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X-Ray Study of Behavior of Steels Under Repeated
Cyclic Stress, by A. Schaal.

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No 3102

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\$13.60

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Industrial Applications of X-Ray Stress Analysis,
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No 8, 1955, pp 445-447.

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Scientific - ~~Reproducible~~, M/M Oct 55 CTS

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Long-Time Creep Behavior of Heat-Resisting
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HB 6074

Sci-M/M

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RESEARCH, Publ Soc Chim Fr, Vol 14, 1947.

NO 127-532. TP1125125-V

ATC-UGEL-Trans-19349

R. Schaal

10-1-53

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Schaar, K., Houdremont, E., and others.
EVALUATION OF LONG-TIME CREEP TESTS: DIS-
CUSSION. [1961] [19]p. 18 refs.
Order from SLA \$1.60

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Trans. of Archiv [für das] Eisenhüttenwesen (West
Germany) 1957, v. 28, Nov, p. 687-694.

DESCRIPTORS: Creep, Stresses, *Steel, Tests

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sentation of a paper by Bandel and Gravenhorst (Arch.
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(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

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- I. Schaar, K.
- II. Houdremont, E.

Office of Technical Services

Analysis of the Creep Process in Heat Resistant
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GERMAN, thesis, Beitrag zur Analyse des Kriech-
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TIL Tr 4861

Sci - Min/Metals
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Sci - Chem

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THE ELECTROLYTIC ETCHING OF MULTIPHASE
IRON-CHROMIUM-NICKEL ALLOYS IN CAUSTIC
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Trans. of Archiv für das Eisenhüttenwesen (Germany)
1960, v. 34, June, p. 385-391.

DESCRIPTORS: *Chromium alloys; *Iron alloys;
*Nickel alloys; *Electroerosive machining; Tests.

I. Schaarwachter, W.
II. BISI 2181
III. British Iron and Steel
Institution Service

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1963, pp. 146-149.

WTC 70-17113-20M

A. Schaber

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Sci - Med

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Chemistry; Fuels

On the Artificial Development of an Increase of
Resistance to Gamma Rays in E. Coli, by G.
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19 pp.

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 A METHOD OF INVESTIGATING THE PRESSURE
 FLUCTUATIONS IN POPPET-VALVE GAS METERS
 (Verfahren zur Untersuchung der Druckschwankungen
 an Ventil-Gasmessern). [1963] 9p. 8 refs.
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 Forschungs-Institut. Jahrbuch (Germany) 1964, v. 4

DESCRIPTORS: *Flowmeters, Gas Flow, Valves,
 Pressure, Test methods, Tests, Oscillographs.

(Mechanics--Hydraulics, TT, v. 10, no. 9)

69-16844

1. Title Poppet valve
 2. Schachmayer, R.
 3. Müller, G.

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Problem in Production and Storage of Foodstuffs
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SLA Tr 57-1929

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New Silicides of the M_5Si_3 Type With D_{8h} Structure,
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1954, v. 4, no. 6, p. 339-345.

61-14032

1. Textile Industry--Equipment
2. Title: Loom picker
1. Schachoff, D

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(Materials--Textiles, TT, v. 5, no. 11)

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34 pp.
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1951, pp. 1-65.
JPHB 35194

Hjalmar Schacht

EE-Indonesia

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May 66

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The Longevity of Physicians. Statistical data.
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CUBAN. per. Arch. Med. Soc. Vol 4, no 1, 1948,
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Protein of Cellfree Nucleoprotein Enzyme Systems
From Escherichia Coli B., by D. ~~SCHACHTSCHABEL~~
Schachtschabel, W. Zilling, 11 pp.

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Sci - Med

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BASES FOR THE INCREASED USE OF BLAST-
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brough. Rept. no. 253 of the Wärmestelle [Fuel
Section] of the Verein Deutscher Eisenhüttenleute.
[Feb 44] 21p. 2 refs.
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61-18454

Trans. of Stahl und Eisen (Germany) 1938, v. 58,
17 Feb, p. 157-165.

DESCRIPTORS: *Blast furnaces, *Gases, Iron
industry, Combustion, Steel industry, Open hearth
furnaces, Heating, Operation, Fuel consumption.

(Unannounced)

61-18454

I. Schack, A.
II. Title: Verein...

Office of Technical Services

Schack, Alfred.
THE CONSTRUCTION AND OPERATION OF
FURNACES WITH PARTICULAR REFERENCE TO
HEATING FURNACES. Technical rept. no. 155 of
the Wärmestelle [Fuel Section] of the Verein
Deutscher Eisenhüttenleute. [1961] [36]p. 8 refs.
Order from SLA \$3.60 61-18497

DESCRIPTORS: *Heating plants, Construction,
Operation, *Heat transfer, Thermodynamics, Fuel
consumption, Heaters.

(Unannounced)

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II. Title: Verein...

Office of Technical Services

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Wider Use of Blast Furnace Gas within Steel Industry.

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Tests on Heat Transfer in Rolling-mill Furnaces with Regard to the Heating of Ingots, by A. Schack, 18 pp.

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SCHACK, H.

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BISI 8791

Sci - Engr
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1-2, pp. 99-112, 2 figures, 1100-word abstract trans.

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CATALYSTS FOR THE POLYMERISATION OF
OLIGOMERS OF ϵ -CAPROLACTAM. [1963].
Order from TTIS \$7.65 TTIS NS-87

Trans. of East German patent 24,307, appl.
30 Jan 59, pub. 28 Nov 62.

DESCRIPTORS: *Catalyst, *Polymerization, *Lac-
tams, Polymers.

(Chemistry--Organic, TT, v. 10, no. 3)

63-17812

- I. Title: ϵ -Caprolactam.
- I. Schade, H.
- II. Patent (East Germany)
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- III. TTIS-NS-87
- IV. Translation and
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On the Hydrodynamic Stability Theory of Flame
and Axisymmetric Parallel Flow, by E. Schmidt,
Göttingen, 1952, 1952, 1952, 1952, 1952, 1952,
No 190, 1952, 1952, 1952, 1952, 1952, 1952,
OES AD 608 096

Sept 66

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The Oscillating Circular Aerofoil on the Basis of
Potential Theory, by T. Schade.

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Scientific - Theory, Aerofoil

Index Aeronauticus

Problems of Dust Removal in LD-Steelworks, by
H. Schaden.

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Vol 104, Feb 1959, pp 18-21.

BISI 3736

Sci - Engr

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The Relationship between Viscosity and
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35, No 12, 1962, pp. 505-12.
NTC 69-10587-118

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The Cracking and Breaking Load of Reinforced and
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CTS 75/Dec 55

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pp 143-150.
DIA LN 699-66

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The History of Quincke's Disease, by H.
Schadewaldt, 32 pp.

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pp 339-352.

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Ref - Vol

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Sci - Mln/Net
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**Experimental Studies on Lateral Thrust Components
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K. Schadow.
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Stainless Steels for Oil Pipelines. Comparison of
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Sci - Min/Met

Dec 60

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Steel and Steel Products for Nuclear Power
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GRIMMAN, per, Verein Deutscher Ingenieure 2,
No 34, 1959, pp 1645-1649.

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BEar - Germany

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Korrosion: Metallschutz, vol. 19, 11 figures,
3 tables, 2150 words; 1943.

Interpretation of Corrosion of Chrome-nickel
Steels.

Butcher Trans., Order No. 1496, \$3.20

A 104, 10

Methods for the Automatic Optimization of
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Regeln, No 7, 1962, pp ~~311-317~~ 311-317. 9670305
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FTD-TT-63-409

Sol - Phys

Oct 63

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(NY-2700)

NATIONAL COORDINATION OF DIFFERENT TYPES OF
TRANSPORTATION, BY A. SCHAECHTER, 16 PP.

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NO 5, 1962, PP 75-68.

JPRS 14697

EEUR - RUMANIA

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AUG 62

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Soviet Air Capabilities, Doctrine and Military
Activities, by Schaefer, Hutzler, 7 pp.

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pp 1-28.

AF 152449

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Jan 63

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CONCERNING THE MEASUREMENT OF THE MINI-
MAL ROTARY ACCELERATIONS (Zur Messung
Kleinsten Drehbeschleunigungen) [1901] [8] p. 6 refs.
Order from SLA \$1.10 61-14300

Trans. of Z[eitschrift] f[ür] Hals-, [Nasen und
Ohren]heilk[unde] (Germany) 1939, v. 45, p. 141-145

DESCRIPTORS: Nystagmus, Rotation, Acceleration,
Ophthalmology, Eye, Ear, Measurement

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(Unannounced)

Office of Technical Services

Contribution to the Problem of Automatic Consistency
Regulation in Paper Pulp Suspensions, by M. Schaefer,
20 pp.

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223.

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57-2992

Sci

Aug 58

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R-50/60

(NY-3942)

Arrangements and Accuracy of Laplace Azimuths
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9 pp.

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JFRS 5412

EEur - Germany

Econ - Geography

Sep 60

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Technical Economic Comparison of Gas and Induction
Heating for Forgings, by Schaefer, Rich.

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BIBI 1758

Sci - Engr

Feb 61

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The Transport Function of the Endoplasmic
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deficient), by Dieter Schaefer.

1980, per, Zeitschrift für Zellforschung.

Vol. 71, 1980, pp 562-573. 9011172800

and 901-00-374

Dieter Schaefer

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Jan 67

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Contributions to the Chemistry of Elements, by
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Div of Mineral Tech
Region IV
Rolla, Missouri

Sci - Chem

May 59

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Intermediate Grain-Refining During
Recrystallization of Copper, by E. Borchers,
A. Schaefer. 8 p.
GMSM, par, Zeit. fuer Metallkunde, Vol 47,
No 6, 1956, pp 328-339.
SEA TT-66-10429

A. Schaefer

Sci-MEM
Jul 66

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Schaefer, Cl., Matossi, F., and Wirtz, K.
THE INFRARED REFLECTION SPECTRUM OF
SILICATES. [1962] 36p. 30 refs.
Order from SLA \$3.60

63-10163

Trans. of Zeitschrift für Physik (Germany) 1934, v. 89,
p. 210-233.

DESCRIPTORS: *Infrared spectroscopy, *Silicates,
Crystal structure, Reflection, Frequency.

The data on reflection measurements in the infrared
spectra of silicates are presented. Two regularly occur-
ring reflection bands between 8 and 12 and 17 and 20
can be correlated with the polymerizations of the
SiO₄ groups. A middle band between 14 and 18...
which appears in particular in silicates can be attri-
buted to other coordination polyhedra (AlO₄, BeO₄).
The short-wave band between 8 and 12, which is at-
(Physica--Spectroscopy, TT, v. 9, no. 12) (over)

63-10163

I. Schaefer, C.
II. Matossi, F.
III. Wirtz, K.

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Office of Technical Services

Schaefer, E.
ELECTRONIC PERMANENT MEMORIES.

[1962] 28p. 51 refs.

Order from SLA \$2.60

62-20175

Trans. of Elektronische Rechenanlagen (West Germany)
1961, v. 3, no. 5, p. 197-205.

DESCRIPTORS: *Computer storage devices, *Memory
devices, Electrophotography, Storage tubes, Super-
conductivity, Inductance, Magnetic core storage,
Punched cards, Capacitors.

Computer memories often contain information which
rarely changes, but which must be read out frequently.
Such information can be stored more economically in
so-called read-only memories, or permanent stores,
than in the erasable working storage. This paper shows
how the same problem appears in several fields having
(Mathematics-Computing Devices, TT, v. 9, no. 12)
(over)

62-20175

I. Schaefer, E.

1640068

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Hot Water Rockets, by W. Michely, E. Schaefer.

GERMAN, papers, Report of International Meeting,
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Navy Tr 1350/ONI A-666 & 666b

Scientific - Physics
Jul 56 CTS/dax

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The Human Memory as an Information Store, by
H. Schaefer.

GERMAN, par, Elektronische Rundschau, Vol XIV,
No 3, 1960, pp 79-84.

Navy Tr 3503/APL 804

Sci - Electron
Aug 63

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SEUTHE, A.
SCHAEFER, E.

Archiv Eisenhuttenwesen, vol. 10, 1 table, 2840 words;
1937.

Use of Perchloric Acid in Steelworks Laboratories.

Brutcher Trans, Order No. 133L \$3.55

A 10421

The Infra-Red-Spectrum of the U-Center, by
G. Schafer.

FRANK, per, Physics and Chemistry of Solids,
Vol 12, 1960, pp 233-244. 9 229936
AEC INL-tr-206

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G. Schafer

Sci/Physics

Jun 66

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(SF-1857)

Organization Problems of the Building Industry,
by Gyorgy Schaefer, 10 pp.

HUNGARIAN, per, Magyar Epitoipar, Vol X, No 9,
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JPRS 11724

ECON - Hungary

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Contributions to the Subject of Peat
Improvement. 1: Low Temperature Carbonization
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CHEMIE, per Brennst. (Chem. Vol. 23, No. 5
1942, pp 49-55.
GFC

H SCHAEFER

Sci -

Aug 57

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Chemical Transport Reactions and Their
Uses VII. Communications Concerning
Chemical Transport Reactions, by Harold
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GERMAN, par, Angew Chemie, Vol LXXIII,
1961, pp 11-14.

ABC Tr-7258

Sci - Chem
Oct 62

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Schaefer, Harald and Breil, Günther.

THE TENDENCY FOR THE FORMATION OF GASEOUS TRICHLORIDES OF THE ELEMENTS CHROMIUM, MANGANESE, IRON, COBALT, NICKEL, INVESTIGATED WITH THE REACTION $\text{MeCl}_2 \text{ gas} + 1/2 \text{ Cl}_2 + \text{MeCl}_3 \text{ gas}$. [1963] 11p. 20 refs.

Order from SLA \$1.60

63-16851

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (East Germany) 1956, v. 283, p. 304-313.

DESCRIPTORS: *Chromium compounds, *Manganese compounds, *Iron compounds, *Cobalt compounds, *Nickel compounds, Gases, *Chlorides, Methanes, Phase studies, Chemical equilibrium, Decomposition, Enthalpy, Ionization potentials.

Entrainment measurements in the chlorine stream with the dichlorides MnCl_2 , CoCl_2 and NiCl_2 as the solid phase gave a very considerable formation of gaseous trichloride with cobalt, but with manganese and with nickel a formation existing at the limit of the detectable. (Chemistry--Physical, TT, v. 10, no. 7) (over)

63-16851

1. Title: Methylene chloride
2. Title: Entrainment
- I. Schaefer, H.
- II. Breil, G.

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Office of Technical Services

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61-25132

- I. Schaefer, H.
- II. Goeser, C.
- III. Bayer, L.
- IV. Stux, Erica, Akron, Ohio
- V. Title: Niobium...

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- I. Schaefer, H.
- II. Bayer, L.
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